

Title (en)
Turbocharged combustion engine

Title (de)
Brennkraftmaschine mit Abgasturboaufladung

Title (fr)
Moteur à combustion turbocompressé

Publication
EP 1754870 A3 20090429 (DE)

Application
EP 06014993 A 20060719

Priority
DE 102005039012 A 20050818

Abstract (en)
[origin: EP1754870A2] The internal combustion engine has at least two mutually independently controllable exhaust valves (10,12) per cylinder (2-5), whereby at least one of the exhaust valves is only connected to one turbocharger (14) and the other only to a second turbocharger (15) and the gas outlet (16) of the first turbocharger is connected in the feed to the second turbocharger. At least the first exhaust gas turbocharger has at least one bypass line (20).

IPC 8 full level
F02B 37/013 (2006.01); **F01N 3/08** (2006.01); **F01N 3/20** (2006.01); **F02B 37/007** (2006.01); **F02B 37/18** (2006.01)

CPC (source: EP)
F01N 3/08 (2013.01); **F01N 3/2053** (2013.01); **F02B 37/004** (2013.01); **F02B 37/013** (2013.01); **F02B 37/025** (2013.01); **F02B 37/18** (2013.01); **F01N 13/107** (2013.01); **F01N 2340/04** (2013.01); **F01N 2410/06** (2013.01); **F02B 29/04** (2013.01); **Y02T 10/12** (2013.01)

Citation (search report)

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- [Y] DE 10243473 A1 20040325 - PORSCHE AG [DE]
- [DA] WO 2004097195 A1 20041111 - DAIMLER CHRYSLER AG [DE], et al

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WO2009010145A1; CN104040140A; EP3184774A1; CN104040146A; WO2013068640A1; WO2011036083A1; WO2013068639A3

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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AL BA HR MK RS

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